USER'S MANUAL

dreamlink

Digital Satellite Receiver

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Safety Precautions

1. Important Safety Instructions

① Read these instructions.
② Keep these instructions.
③ Heed all warnings.
④ Follow all instructions.
⑤ Do not use this apparatus near water.
⑥ Clean only with dry cloth.
⑦ Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
⑧ Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
⑨ Do not reverse the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
⑩ Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
⑪ Only use attachments/accessories specified by the manufacturer.
⑫ Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

⑬ Unplug this apparatus during lightning storms or when unused for long periods of time.
⑭ Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Warning :
TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THE SET TO RAIN OR MOISTURE.

2. Notice

① These serving instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
② The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
③ The mains plug is used as the disconnect device. The disconnect device shall remain readily operable.

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN WARNING : SHOCK HAZARD-DO NOT OPEN. AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR	TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE THE COVER(OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
The Lightning Flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product enclosure that may be of sufficient magnitude to constitute a risk of shock to persons	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product

3. FCC

This device complies with part I5 of the FCC Rules. Operation is subject to the following two conditions. :(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, used int accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

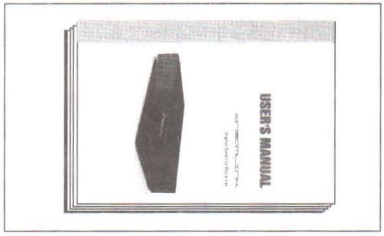
1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.

1. Main Features

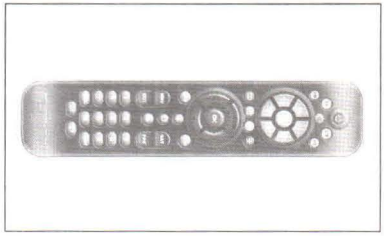
1) External USB2.0 HOST HDD supporting for Timeshift & Live recording or playback simultaneously, powerful trick mode.
2) MPEG-2 & MPEG-4 AVC (H.264)
3) DVB-S, DVB-S2 compliant.
4) Multi-LNB controlled by DisEqC control version 1.2 and USALS.
5) USB 2.0 HOST support.
6) Brilliant 65,535 colors full-resolution on screen display.
7) Multi-Language supported (OSD & MENU).
8) Software upgrade via RS-232 Serial Port & USB.
9) True to life HD (High Definition : HDMI)
10) CVBS video & Audio output via RCA.
11) Component (Y/Pb/Pr) output via RCA.
12) Channel sorting by Alphabet, Transponder, CAS.
13) Maximum 10,000 channel programmable.
14) Closed Caption support.
15) Favorite channel groups.
16) Support extended 7-Day EPG.
17) Parental Lock & Receiver Lock.
18) Powerful channel control by favorites, lock, skip, move and delete.
19) Universal Remote Controller.

2. Accessories

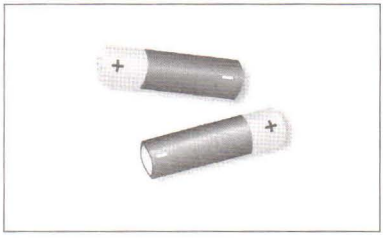
User's manual



Remote Control Unit



AAA size Batteries X 2



NOTE : If any accessories listed above are missing, contact the sales representative where you purchased this unit

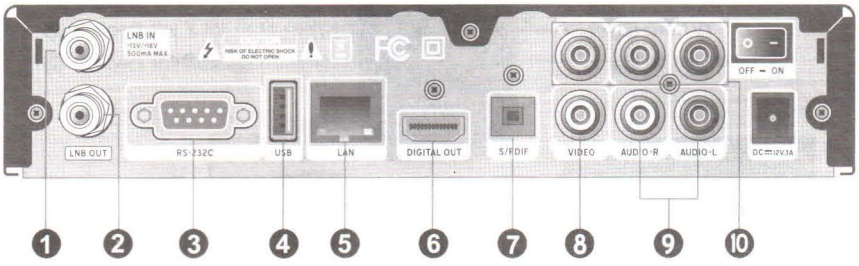
Hardware Description

1. Front Panel Configuration

① POWER Button :
Press to switch between STANDBY and POWER ON modes.

② CH Up/Down Button :
Press to change channels in normal mode, to move the ARROW Up/Dosn in menu mode.

2. Rear Panel Configuration



① LNB IN : Use to connect a satellite antenna.

② LNB OUT : Use it when connecting to another STB for loop-through.

③ RS-232C : Use it when connecting to your PC.

④ USB Port : To download firmware through USB memory stick.

⑤ LAN : Use to when connecting to internet.

⑥ DIGITAL OUT : Connect to the TV with HDMI Cable.

⑦ SPDIF : Use to connect SPDIF to digital audio equipment.(Optic)

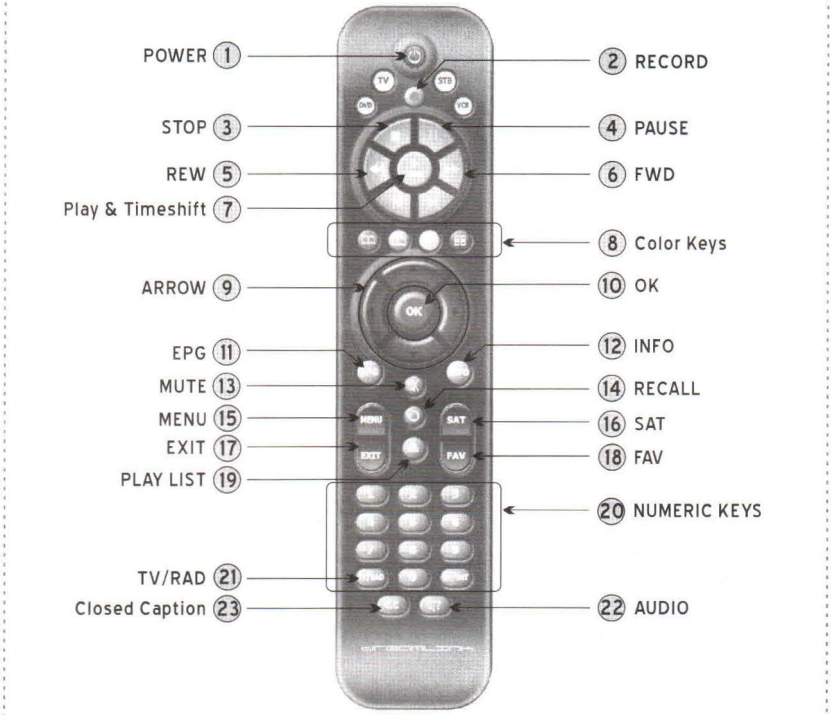
⑧ VIDEO : Use it when connect to input of TV or VCR.

⑨ AUDIO L/R : Use it when connect audio left, right of TV or VCR.

⑩ Y/Pb/Pr : Use it when connecting component video to TV.

Hardware Description

3. Remote Control Unit



① POWER : Turns the STB On/Off.
② RECORD : You can record current channel.
③ STOP : Stop recording / playing.
④ PAUSE: Pause the screen.
⑤ REW : Rewind playing.
⑥ FWD : Forewrod playing
⑦ Play & TimeShift : Playing and Timeshifting.
⑧ Color Keys : Used for special function in menu.
⑨ ARROW Keys : Moves the highlight bar for selecting options on the menus. And this key is used to change channel(Up/Down) or change audio volume (Left/Right).
⑩ OK : Shows the channel list in non-menu mode and select an item or confirm in the menu.
⑪ EPG (Electronic Program Guide) : Show the TV / RADIO program guide.
⑫ INFO : Shows the information of the current program. If you press one more, detail information box will be shown.

NOTE : When inserting batteries, make sure that the polarity (+/-) is correct.

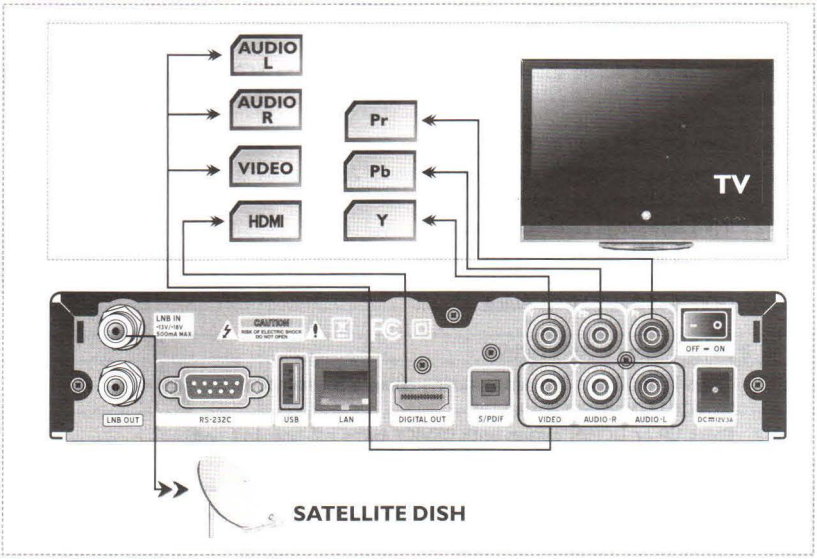
Connections Diagram

⑬ MUTE : Turns the sound On/Off.
⑭ RECALL : Move to previous channel. If you press one more, show the previous channels.
⑮ MENU : Move to main menu (OSD).
⑯ SAT : To change the satellite groups.
⑰ EXIT : Exit from the menu or pop-up window.
⑱ FAV : To change the favorite groups.
⑲ PLAY LIST : Shows the recorded file list.
⑳ Numeric Keys : controls the numerical operation and channel numbers directly.
㉑ TV/RAD : Switches between TV and Radio.
㉒ AUDIO : To adjust the audio status of the current channel.
㉓ Closed Caption : Turns the closed caption On/Off.

NOTE : When inserting batteries, make sure that the polarity (+/-) is correct.

1. Receiver to TV

① Connect the satellite antenna cable to LNB IN.
② Connect the VIDEO and AUDIO L. R to VIDEO IN and AUDIO L. R in of TV.
③ Connect the Y. Pb. Pr to component input (Y. Pb.Pr) of TV(If necessary).
④ Connect the HDMI to HDMI input of TV



Multi-Brand IR Remote Controller

1. Initial Setting

1. 1 DEVICE DEFAULT : STB

1. 2 MODEL DEFAULT

STB ..... #001
T V ..... #001
DVD ..... #001
VCR ..... #001

2. Device Keys

Device Keys are used for device changing.
Case of the model which POWER button comes to share with power on and power off, the DEVICE button operates with power on, the POWER button operates with power off(LED ON).

3. Code No. Checking(Number Call)

Step 1. Press the DEVICE and OK button during about 2.5 seconds at the same time.
DEVICE LED on.(Set mode)
Step 2. Press the INFO button.
LED will blink according to inputted mode number on the device.
Case of digit 0, it blinks 10 times.

4. Setting Guide

When there is no input during about 20 seconds from set mode, LED is turn off and set mode is canceled.

4. 1 Using Device Code Number

Step 1. Press DEVICE and OK button during about 2.5 seconds at the same time.
DEVICE LED on.(Set mode)
Step 2. Input three digit code numbers.
DEVICE LED will blinks.
Step 3. Press DEVICE button.
DEVICE LED will blinks twice.

4. 2 Using UP and DOWN buttons

Step 1. Press DEVICE and OK button during about 2.5 seconds at the same time.
DEVICE LED on.(Set mode)
Step 2. Press UP or DOWN button until DEVICE turns off, one and one.
Step 3. If your DEVICE is turn off
Press DEVICE button.
DEVICE LED will blink twice.

5. Key Table

NO	STB	TV	VCR	DVD
1 1	DEVICE	DEVICE /POWER ON	DEVICE /POWER ON	DEVICE /POWER ON
2	POWER		POWER	POWER
3	RECORD		REC	OPEN/CLOSE
4	STOP		STOP	STOP
5	PAUSE		PAUSE	PAUSE
6	REWIND		REW	REW
7	PLAY		PLAY	PLAY
8	FAST FORWARD		FF	FF
9	PREV FILE			SKIP -
10	NEXT FILE			SKIP +
11	RED	UP		
12	GREEN	DOWN		
13	YELLOW	LEFT		VOL-
14	BLUE	RIGHT		VOL+
15	UP	CH+	CH+/TRK+	UP
16	LEFT	VOL-	VOL-	LEFT
17	OK	SEL/OK		SEL/OK
18	RIGHT	VOL+	VOL+	RIGHT
19	DOWN	CH-	CH-/TRK-	DOWN
20	EPG			
21	MUTE	MUTE	MUTE	MUTE
22	INFO	INFO		
23	MENU	MENU		MENU
24	RECALL	LAST		
25	SAT			
26	EXIT	EXIT		
27	PLAY LIST			
28	FAV			
29	1	1	1	
30	2	2	2	
31	3	3	3	
32	4	4	4	
33	5	5	5	
34	6	6	6	
35	7	7	7	
36	8	8	8	
37	9	9	9	
38	TV/RAD			
39	0	0	0	
40	TV/SAT	TV/VCR	TV/VCR	
41	C.C			
42	AUDIO			

6. Code Table : TV

Manufacturer/Brand	Set-Up Code Number
ADMIRAL	072 081 160 161 096
ADVENT	247
AIKO	103
AKAI	006 146 248 150 157 167
ALARON	028
AMARK	112 143
AMERICA ACTION	043
AMPRO	073
ANAM	043 054 055 056 080 112
AOC	058 006 004 112
APEX DIGITAL	015 226 037
AUDIOVOX	076 103 043 035
BAYSONIC	043
BELL&HOWELL	072
BRADFORD	043
BROKSONIC	096
CANDLE	006 002 003 004
CAPEHART	058
CARVER	164
CELEBRITY	001
CETRONIC	043
CINERAL	103 120
CITIZEN	006 002 003 004 101 103 143
CLASSIC	043
CONCERTO	004
CONTEC	043 051
CORONADO	143
CRAIG	043 054 028
CROSLEY	164
CROWN	043 143
CURTIS MATHES	006 004 101 143 011 072 081 120 164
CXC	043
DAEWOO	076 103 055 004 127 143 016 043 044 125 120
DAYTRON	004 143
DELL	041
DENON	011
DUMONT	004 073
DWIN	102 104 161
DYNASTY	043
DYNATECH	062
ELECTROBAND	001
ELECTROHOME	024 076 143

Manufacturer/Brand	Set-Up Code Number
EMERSON	005 028 043 048 076 096 155 004 051 143 151 153 154
ESA	078
FISHER	007 057
FUJITSU	164 028 198 246 066 138
FUNAI	028 043 052 249
FUTURETECH	043
GATEWAY	242 078
GE	006 073 144 160 161 004 008 009 034 056 074 091 155 081 120
GEM	078
GIBRALTER	004 073
GOLDSTAR	004 106 119 110 112 113 127 143
GRUNPY	028 043
HALL MARK	004
HARLEY DAVIDSON	028
HARMAN KARDON	164
HARVARD	043
HISENSE	170
HITACHI	163 004 007 009 011 072 010 012 023 075 143 158 166
HP	027 039
HYUNDAI	049 067
INFINITY	164
INSIGNIA	024 142 147 148 149
INKEL	129
INTEQ	073
JBL	164
JCB	001
JCPENNEY	004 006 008 024 030 065 101 143 156 160
JENSEN	013
JVC	038 001 034 083 206 159
KENWOOD	006 001
KLOSS	002 059
KTV	006 043 143 154
LG	004 106 119 110 112 113 127 143 084
LODGENET	072
LOEWE	207 164
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164
MAGNAVOX	006 003 004 022 059 060 061 063 064 127 164 094 160 028 035

Multi-Brand IR Remote Controller

Manufacturer/Brand	Set-Up Code Number
MAGNAVOX	124
MAJESTIC	072
MARANTZ	164 006
MATSUI	164
MATSUSHITA	080
MEGATRON	004
MINTEK	108 168
MITSUBISHI	109 024 042 004 040 146 028 081 225
MOTOROLA	081
MTC	006 004 062 101
MULTITECH	043
NAD	015 025
OPTIMUS	080
OPTOMA	029 032
PHILCO	006 003 004 024 056 059 060 063 064 127 143 164
PHILIPS	164 005 038 093 127 006 003 004 059 210
PIONEER	023 025 135 176 004 018 006 209 234 118 131 140
POLAROID	015 077 078 079
PORTLAND	004 143 103
PRISM	034
PROSCAN	144 160 161
PROTON	004 058 143 171 173 112
PROTRON	130 141
QUASAR	034 056
RADIO SHACK	004 019 127 143 043
RCA	160 161 144 156 065 006 004 023 024 056 074 152 081
REALISTIC	007 019
RUNCO	072 073 050 137 169
SAMPO	006 004 058 242
SAMSUNG	004 101 127 133 143 160 089 105 211 228 229
SANSEI	120
SANSUI	096
SANYO	007 053 057 082 020
SCEPTRE	036
SCOTCH	004
SCOTT	004 005 028 043 048 143
SEARS	004 007 015 028 030 057 082 094 143 160 052 164
SEMIVOX	043

Manufacturer/Brand	Set-Up Code Number
SEMP	015
SHARP	081 014 019 028 004 022 143 175
SIGNATURE	072
SONY	001 126 139
SOUNDESIGN	003 004 028 043
SPECTRICON	112
SQUAREVIEW	052
SSS	004 043
STARLITE	043
SUPRE MACY	002
SUPREME	001
SVA	079
SYLVANIA	006 003 059 060 063 064 127 160 164 044 249
SYMPHONIC	052 249
SYNAX OLEVIA	084
SYNTAX OLEVIA	132
TANDY	081
TATUNG	056 062
TECHNICS	034 080
TECHNOL ACE	028
TECHWOOD	004
TEKNIKA	002 003 004 024 028 043 072 101 143 103 164
TELERENT	072
TERA	172
TMK	004
TNCI	073
TOSHIBA	015 030 007 040 062 101 045
TOTEVISION	143
UNIVERSAL	008 009
VIDEO CONCEPTS	146
VIDIKRON	174 188 164 050
VIDTECH	004
VIEWSONIC	122
VIZIO	078
WARDS	004 064 164 008 009 019 028 060 061 063 072 074 143
WESTING HOUSE	076 036
YAMAHA	004 006 115 116
YORK	004
YUPITERU	043
ZENITH	072 073 095 103 011 096
ZONDA	112

7. Code Table : VCR

Manufacturer/Brand	Set-Up Code Number
ADMIRAL	025 053
AIKO	117
AIWA	034 161 101
AKAI	043 046 124 146
AMERICA ACTION	117
AMERICAN HIGH	031
AMPRO	072
ANAM	031 103
ASHA	040
AUDIO DYNAMICS	012 023 043
AUDIOVOX	101
BEAUMARK	040
BROKSONIC	035 037 129 025
CALIX	101
CANON	028 031
CAPEHART	108
CCE	024 117
CINERAL	117
CITIZEN	101 117
COLT	148
CRAIG	003 040 135 024 101
CUIRTIS MATHES	031 041
CYBERNEX	040
DAEWOO	005 108 117 017 065 007 010
DAYTRON	108
DBX	012 023 043
DYNATECH	034 053
ELECTROHOME	059 101
ELECTROPHONIC	101
EMERSON	006 029 035 037 129 153 017 025 027 031
	034 036 046 101 131 138 117
FISHER	003 010 008 009
FUJI	031
FUNAI	034
GARRARD	034
GE	031 072 144 147 063 107 109 040 053
GO VIDEO	132 155 040 136
GOLDSTAR	101 004 012 020
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	004 026 034 043 063 137 150

Manufacturer/Brand	Set-Up Code Number
HQ	034
HUGHES	004
INSTANTREPLAY	031
JCL	031
JCPENNEY	004 012 031 040 101
JENSEN	043
JVC	048 043 055 060 130 150 152 012 031
KEC	101 117
KENWOOD	034 150 014 048
KLH	024
KODAK	031 101
LG	101 004 012 020
LLOYD	034
LOGIK	024
LXI	003 009 017 034 101 004 106
MAGIN	040
MAGNASONIC	117
MAGNAVOX	067 031 034 068 041 170
MARANTZ	067 069 012 031
MARTA	101
MATSUI	027 030
MATSUSHITA	031
MEI	031
MEMOREX	040 101 003 014 031 034 053 072 134 139 025
MGA	045 046 059
MGN TECHNOLOGY	040
MINOLTA	004 020
MITSUBISHI	059 061 051 004 046 020 045 053
MOTOROLA	031 053
MTC	034 040
MULTITECH	024 034
NEC	012 023 043 048
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	031
OPTIMUS	053 101
PILOT	101
PIONEER	021 004 048
PORTLAND	108
PROFITRONIC	040

Manufacturer/Brand	Set-Up Code Number
SANKY	053
SANSUI	043 135 048 025 034
SANYO	003 014 040 134
SCOTT	017 037 129 131
SEARS	003 004 008 014 017 081 101 010 031 034
SHARP	053 031 054 159
SHINTOM	024
SHOGUN	040
SINGER	024
SONY	001 057 058 003 052 053 031 154 171 009 034
SOUNDESIGN	034
STS	004
SYLVANIA	031 034 059 067

Manufacturer/Brand	Set-Up Code Number
THOMAS	034
TMK	006 040
TOSHIBA	017 131 004 008 059 082 150
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VIDEO CONCEPTS	012 034 046
VIDEOSONIC	040
WARDS	003 004 017 024 031 034 040 053 054 131
WESTINGHOUSE	024 025
XR-1000	024 031 034
YAMAHA	012 034 043
ZENITH	072 034 001 058 080 101 153 048 025

8. Code Table : DVD

Manufacturer/Brand	Set-Up Code Number
AIWA	202
AKAI	199
ALPINE	221
APEX DIGITAL	251 246 182 183
ARCAM	215
CARY AUDIO DESIGN	184
CLASSE	193
COBY	212
CYBERHOME	220 213
DAEWOO	220
DENON	226 241
FUNAI	208 211
GE	230 231
GOLDSTAR	235 239
GO VIDEO	201 187 188 189 194
HARMAN KARDON	243
HITACHI	223
HITEKER	246
INTEGRA	198
JVC	238
KENWODD	216
KISS	197
KLH	210
LG	148
MAGNAVOX	254 237 211
MARANTZ	253 242
MCINTOSH	217
MEMOREX	207
MINTEK	200

Manufacturer/Brand	Set-Up Code Number
MITSUBISHI	227
MYRYAD	224
NAD	247 239
NAKAMICHI	225
ONKYO	240
OPTIMUS	229
PANASONIC	228 206 226
PHILIPS	253 237 214 242
PIONEER	255 222 229
POLAROID	195
PRIMARE	185 186
PROCEED	245
PROSCAN	230 231
RCA	230 231
SAMSUNG	236 248 201 191
SANSUI	205
SANYO	204
SENSORY SCIENCE	189 190
SHARP	252
SONY	001 232 218 203
SYLVANIA	208 211
SYMPHONIC	208 211
TATUNG	224
TECHNICS	228
THETA DIGITAL	229
TOSHIBA	233 244 219 205 192 196
VENTURER	209
YAMAHA	249 226 181
ZENITH	239 226 235 239